AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application.

1. (Withdrawn and Currently Amended) A method of preparing the library of membrane protein-embedded liposomes of claim 14, ~~8,~~ which method comprises (a) providing a library of membrane proteins and (b) contacting the library of membrane proteins with liposomes to form a library of membrane protein-embedded liposomes.

2. (Withdrawn) The method of claim 1, wherein said membrane proteins comprise at least GPI anchor type receptors, G protein-coupled receptors, and oligomer type receptors.

3. (Withdrawn) The method of claim 1, wherein the membrane protein-embedded liposomes have a diameter of about 10 nm to about 5,000 nm.

4. (Withdrawn) The method of claim 3, wherein the membrane protein-embedded liposomes have a diameter of about 10 nm to about 500 nm.

5. (Canceled)

6. (Withdrawn) The method of claim 1, wherein the weight ratio of the membrane proteins to lipids constituting the liposomes is from 0.05 to 0.5.

7. (Canceled)

8. (Canceled)

9. (Currently Amended) The library of claim 14, ~~8,~~ wherein the amount of membrane proteins per library is about 1 pg or more.

10. (Previously Presented) The library of claim 9, wherein the amount of membrane proteins per library is about 10 pg or more.

11. (Currently Amended) The library of claim 14, ~~8,~~ which comprises about $1x10^8$ or more membrane protein-embedded liposomes.

12. (Withdrawn) The method of claim 1, wherein the weight ratio of the membrane proteins to lipids constituting the liposomes is from 0.01 to 0.05.

13. (Withdrawn) The method of claim 1, wherein the library of membrane proteins is free of detergents, denaturing agents, and organic solvents.

14. (Currently Amended) A library of membrane protein-embedded liposomes comprising about $1x10^6$ or more membrane protein-embedded liposomes, which is obtained by:

(a) providing a library of membrane proteins, and

(b) contacting the library of membrane proteins with liposomes to form a library of membrane protein-embedded liposomes,

wherein the weight ratio of the membrane proteins to lipids constituting the liposomes is 0.05 or less, wherein the liposomes have a diameter of 10-5000 nm, ~~10 nm or more,~~ and wherein the amount of membrane proteins per library is about 10 fg or more.